

FORM PTO-1390 (Modified) U.S. PATENT AND TRADEMARK OFFICE; U.S. DEPARTMENT OF COMMERCE  
(REV. 12-2004)

ATTORNEY'S DOCKET NUMBER

PP020540.0003

**TRANSMITTAL LETTER TO THE UNITED STATES  
DESIGNATED/ELECTED OFFICE (DO/EO/US)  
CONCERNING A SUBMISSION UNDER 35 U.S.C. 371**

U.S. APPLICATION NO. (If known, see 37 CFR 1.5)

Unassigned

**40/576045**

INTERNATIONAL APPLICATION NO.  
PCT/US2004/034169

INTERNATIONAL FILING DATE  
15 October 2004

PRIORITY DATE CLAIMED  
15 October 2003

TITLE OF INVENTION

**COMPOSITIONS AND METHODS FOR VIRAL INHIBITION**

APPLICANT(S) FOR DO/EO/US

**Zhi-Jie NI, Bryan CHANG, Weibo WANG and Amy WEINER**

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

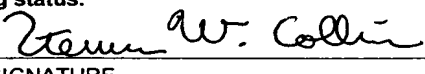
1. ☒ This is a **FIRST** submission of items concerning a submission under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a submission under 35 U.S.C. 371.
3. ☐ This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (24) indicated below.
4. ☐ The US has been elected (Article 31).
5. ☒ A copy of the International Application as filed (35 U.S.C. 371 (c)(2))
  - a. ☐ is attached hereto (required only if not communicated by the International Bureau).
  - b. ☐ has been communicated by the International Bureau.
  - c. ☒ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☐ An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).
  - a. ☐ is attached hereto.
  - b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4).
7. ☐ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3))
  - a. ☐ are attached hereto (required only if not communicated by the International Bureau).
  - b. ☐ have been communicated by the International Bureau.
  - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
  - d. ☐ have not been made and will not be made.
8. ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. ☐ An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).
10. ☐ An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).
11. ☐ A copy of the International Preliminary Examination Report (PCT/IPEA/409).
12. ☒ A copy of the International Search Report (PCT/ISA/210).

Items 13 to 23 below concern document(s) or information included:

13. ☐ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
14. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
15. ☐ A **FIRST** preliminary amendment.
16. ☐ A **SECOND** or **SUBSEQUENT** preliminary amendment.
17. ☐ A substitute specification.
18. ☐ A power of attorney and/or change of address letter.
19. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825.
20. ☐ A second copy of the published International Application under 35 U.S.C. 154(d)(4).
21. ☐ A second copy of the English language translation of the International Application under 35 U.S.C. 154(d)(4).
22. ☒ Express Mail Label No. **EV525254217US**
23. ☒ Other items or information:

**copy of unsigned Declaration for Patent Application  
Published Specification  
cheque and postcard**

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

U.S. APPLICATION NO. (if known, see 37 CFR 1.5) <div style="font-size: 2em; font-weight: bold; text-align: center;">10/576045</div> <div style="text-align: center;">Unassigned</div>		INTERNATIONAL APPLICATION NO. <div style="text-align: center;">PCT/US2004/034169</div>		ATTORNEY'S DOCKET NUMBER <div style="text-align: center;">PP020540.0003</div>											
24. The following fees are submitted: <input checked="" type="checkbox"/> a) Basic national fee ..... \$300.00 <input checked="" type="checkbox"/> b) Examination fee ..... \$200.00 <input checked="" type="checkbox"/> c) Search fee ..... \$500.00 <div style="text-align: right; margin-top: 10px;"><b>TOTAL OF ABOVE CALCULATIONS = \$1000.00</b></div>				<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 50%;">Applicant use</th> <th style="width: 50%;">Office use</th> </tr> <tr> <td>\$ 300.00</td> <td></td> </tr> <tr> <td>\$ 200.00</td> <td></td> </tr> <tr> <td>\$ 500.00</td> <td></td> </tr> <tr> <td>\$ 1,000.00</td> <td></td> </tr> </table>		Applicant use	Office use	\$ 300.00		\$ 200.00		\$ 500.00		\$ 1,000.00	
Applicant use	Office use														
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\$ 200.00															
\$ 500.00															
\$ 1,000.00															
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.															
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole)	RATE												
89 - 100 =	-11 /50 =	0	x \$250.00												
Surcharge of \$130.00 for furnishing the oath or declaration later than months from the earliest claimed priority date (37 CFR 1.492(e)).				<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">\$ 0.00</td> <td style="width: 50%;"></td> </tr> <tr> <td style="width: 50%;">\$ 130.00</td> <td style="width: 50%;"></td> </tr> </table>		\$ 0.00		\$ 130.00							
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\$ 130.00															
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE												
Total claims	104 - 20 =	84	x \$50.00	\$ 4,200.00											
Independent claims	10 - 3 =	7	x \$200.00	\$ 1,400.00											
MULTIPLE DEPENDENT CLAIMS (if applicable) <input checked="" type="checkbox"/> + \$360.00				<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">\$ 360.00</td> <td style="width: 50%;"></td> </tr> </table>		\$ 360.00									
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<b>TOTAL OF ABOVE CALCULATIONS =</b>				<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">\$ 7,090.00</td> <td style="width: 50%;"></td> </tr> </table>		\$ 7,090.00									
\$ 7,090.00															
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.															
<b>SUBTOTAL =</b>															
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)).				<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">\$ 0.00</td> <td style="width: 50%;"></td> </tr> </table>		\$ 0.00									
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<b>TOTAL NATIONAL FEE =</b>				<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">\$ 7,090.00</td> <td style="width: 50%;"></td> </tr> </table>		\$ 7,090.00									
\$ 7,090.00															
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40 per property +				<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">\$ 0.00</td> <td style="width: 50%;"></td> </tr> </table>		\$ 0.00									
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<b>TOTAL FEES ENCLOSED =</b>				<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">\$ 7,090.00</td> <td style="width: 50%;"></td> </tr> </table>		\$ 7,090.00									
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<b>Amount to be refunded:</b>				<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;"></td> <td style="width: 50%;">\$</td> </tr> </table>			\$								
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<b>Amount to be charged:</b>				<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;"></td> <td style="width: 50%;">\$</td> </tr> </table>			\$								
	\$														
a. <input checked="" type="checkbox"/> A check in the amount of \$ <u>7,090.00</u> to cover the above fees is enclosed. b. <input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of _____ to cover the above fees. A duplicate copy of this sheet is _____ c. <input checked="" type="checkbox"/> The Director is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>03-1664</u> . A duplicate copy of this sheet is enclosed. d. <input type="checkbox"/> Fees are to be charged to a credit card. <b>WARNING:</b> Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.															
<b>NOTE:</b> Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.															
SEND ALL CORRESPONDENCE TO: <b>CHIRON CORPORATION</b> Intellectual Property R-338 P.O. Box 8097 Emeryville, California 94662-8097 US Customer No. 27476			<div style="font-size: 1.5em; margin-bottom: 10px;">  </div> SIGNATURE <b>Steven W. Collier</b> <hr/> NAME <u>42429</u> <hr/> REGISTRATION NUMBER												

PATENT  
PP020540.0003

**10/576045**

**AP20 Rec'd PCT/PTO 14 APR 2006**

**PATENT COOPERATION TREATY  
IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)**

International Application No.  
PCT/US2004/034169

International Filing Date  
15 October 2004

Priority Date Claimed  
15 October 2003

Title of Invention  
**COMPOSITIONS AND METHODS FOR VIRAL INHIBITION**

Applicants for DO/EO/US:  
Zhi-Jie NI, Bryan CHANG, Weibo WANG and Amy WEINER

**CERTIFICATE OF MAILING BY EXPRESS MAIL**

Mail Stop PCT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Express Mail Mailing Label No.: EV525254217US

Date of Deposit: 14 April 2006

I hereby certify that the attached Transmittal Letter to the United States Designated/Elected Office (DO/EO/US) Concerning a Filing Under 35 U.S.C.371, copy of unsigned Declaration for Patent Application, copy of Published Specification, copy of International Search Report, Check No. 9074 in the amount \$7090.00 and Postal Receipt Card are being deposited with the United Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R.1.10 on the date indicated above and addressed to the Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Date: 14 April 2006

  
Melodi K. Dice

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4560 Horton Street  
Emeryville, California 94608  
United States of America